

FEDERAL COMMUNICATIONS COMMISSION  
445 12<sup>th</sup> STREET SW  
WASHINGTON DC 20554

MEDIA BUREAU  
AUDIO DIVISION  
APPLICATION STATUS: (202) 418-2730  
HOME PAGE: [www.fcc.gov/mb/audio/](http://www.fcc.gov/mb/audio/)

PROCESSING ENGINEER: Edward Lubetzky  
TELEPHONE: (202) 418-2700  
FACSIMILE: (202) 418-1410/11  
MAIL STOP: 1800B3-EAL  
INTERNET ADDRESS: [Edward.Lubetzky@fcc.gov](mailto:Edward.Lubetzky@fcc.gov)

AUG 29 2008

Patrick A. Murck, Esq.  
Fletcher, Heald, & Hildreth, P.L.C.  
11<sup>th</sup> Floor, 1300 North 17<sup>th</sup> Street  
Arlington, Virginia 22209

Re: Karen M. Cox, d/b/a Florida City Radio  
WZAB(AM), Sweetwater, Florida  
Facility Identification Number: 21763  
License Application: BL-20080819ADL  
Program Test Authority

Dear Mr. Murck:

This is in reference to your August 19, 2008 request for program test authority, on behalf of Karen M. Cox, d/b/a Florida City Radio, permittee of AM Station WZAB(AM), Sweetwater, Florida, that was submitted along with the FCC Form 302-AM license application to cover WZAB(AM)'s Construction Permit BNP-20001023ADQ as modified by BMP-20080819ACM.

Authority is granted WZAB(AM) to conduct daytime and nighttime program tests in accordance with Construction Permit BNP-20001023ADQ as modified by BMP-200819ACM and 47 C.F.R. § 73.1620 on 880 kHz with a daytime nominal power of 4.0 kilowatts and a nighttime nominal power of 5.0 kilowatts. Program tests are authorized with a daytime antenna input power of 4.32 kilowatts (common point current 9.3 amperes) and a nighttime antenna input power of 5.4 kilowatts (common point current 10.39 amperes).

Program tests must be conducted with the daytime and nighttime antenna system adjusted in accordance with the enclosed specifications. Please notify this office of any discrepancies found with this authorization. This authority expires on **November 29, 2008**.

Since condition #4 on the permit has not been fulfilled, WZAB(AM) will not be licensed until the WMCU(AM) FCC Form 302 application is filed and granted.

Sincerely,



Son K. Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

cc: Karen M. Cox  
Carl T. Jones, Jr.

Name of Licensee: FLORIDA CITY RADIO

Station Location: SWEETWATER, FL

Frequency (kHz): 880

Station Class: B

Antenna Coordinates:

Day

Latitude: N 25 Deg 44 Min 56 Sec

Longitude: W 80 Deg 32 Min 50 Sec

Night

Latitude: N 25 Deg 44 Min 56 Sec

Longitude: W 80 Deg 32 Min 50 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 4.0 Night: 5.0

Antenna Input Power (kW): Day: 4.3 Night: 5.4

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 9.3 Night: 10.39

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1027450	
2	1027451	
3	1027453	
4	1027454	

Night:

Tower No.	ASRN	Overall Height (m)
1	1027450	
2	1027451	
3	1027452	
4	1027453	
5	1027454	
6	1027455	
7	1027456	
8	1027457	

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 565.57 Night: 631.11

Standard RMS (mV/m/km): Night: 663.08

Augmented RMS (mV/m/km): Day: 594.3

Q Factor: Day: Night:

## Theoretical Parameters:

## Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.9960	13.700	0.0000	0.000	0	73.4
2	1.0000	0.000	158.8000	340.000	0	73.4
3	1.2490	114.200	89.5000	244.000	0	73.4
4	0.9990	91.300	173.9000	309.200	0	73.4

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	243.5	10.0	114.60
2	261.0	10.0	94.40

## Theoretical Parameters:

## Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.7760	13.600	0.0000	0.000	0	73.4
2	1.0000	0.000	158.8000	340.000	0	73.4
3	0.3420	38.600	317.6000	340.000	0	73.4
4	1.0000	97.200	89.5000	244.000	0	73.4
5	1.1260	103.200	173.9000	309.200	0	73.4
6	0.5660	104.200	320.8000	323.900	0	73.4
7	0.5830	-37.400	142.7000	156.000	0	73.4
8	0.7450	99.000	171.1000	187.500	0	73.4

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 12.4	0.94
2 0	1
4 108	1.166
5 86.5	1.016

## Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 13.3	0.784
2 0	1
3 36.8	0.334
4 91.7	0.969
5 97.8	1.156
6 100.7	0.556
7 -38.1	0.527
8 94	0.719

Antenna Monitor: POTOMAC INSTRUMENTS 1901-8

Sampling System Approved Under Section 73.68(b) of the Rules.

## Monitoring Points:

## Day Operation:

Radial (Deg. T)	Distance From Transmitter (KM)	Maximum Field Strength (mV/m)
148.5	10.2	4.51
205	4.88	6.29
261	5.16	15.47

## Night Operation:

Radial (Deg. T)	Distance From Transmitter (KM)	Maximum Field Strength (mV/m)
0	10.4	2.39
19.5	8.87	2.19
118.5	9.59	2.12
194	4.53	6.28
224.5	5.68	11.4
284.5	5.01	24.82

## Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 2 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 69.5 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.
- 3 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.

## 4 Location of Monitor Points:

Direction of 0° true North. The monitoring point is located in the everglades at the following geographic coordinates (NAD 83):  
25°50'10.9" NL, 80°32'46.6"WL.

Direction of 19.5° true North. The monitoring point is located in the everglades at the following geographic coordinates (NAD83):  
25°49'26.5"NL, 80°31'00.9"WL.

Direction of 118.5° true North. The monitoring point is located on the sidewalk at the center of driveway for house #16628 SW 61st Street.

Direction of 148.5° true North. The monitoring point is located adjacent to the Mailbox at 18400 SW 100th Street.

Direction of 194° true North. The monitoring point is located in the everglades at the following geographic coordinates (NAD 83): 25°42'33.8" NL, 80°33'26.0"WL.

Direction of 205° true North. The monitoring point is located in the everglades at the following geographic coordinates (NAD 83):  
25°42'32.9" NL, 80°34'00.2"WL.

Direction of 224.5° true North. The monitoring point is located in the everglades at the following geographic coordinates (NAD83): 25°42'44.6" NL, 80°35'09.4"WL.

Direction of 261° true North. The monitoring point is located in the everglades at the following geographic coordinates (NAD 83):  
25°44'29.3" NL, 80°35'49.7" WL.

Direction of 284.5° true North. The monitoring point is located in the everglades at the following geographic coordinates (NAD 83):  
25°45'36.6" NL, 80°35'41.0"WL.

\*\*\* END OF AUTHORIZATION \*\*\*